

Technical Solutions

F Series

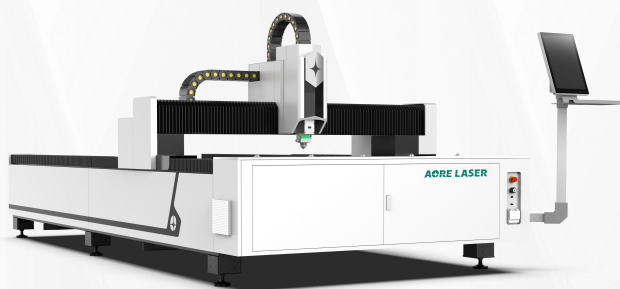
Fiber laser cutting machine



F series

Intelligent and efficient, extremely fast cutting

Application industries: chassis cabinets, sheet metal manufacturing, elevator manufacturing, etc.



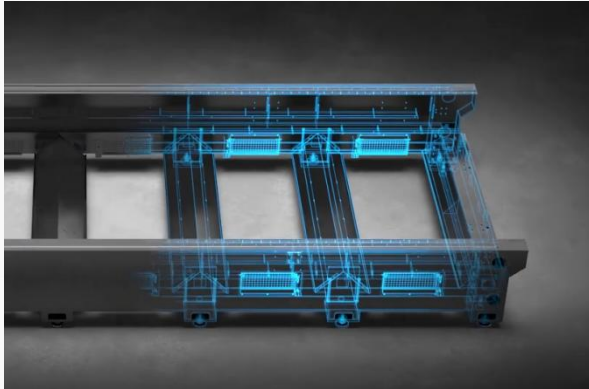
Main Specification

NO.	Model	F3015-3000w
1	Processing format	3050mm x1530mm
2	X-axis stroke	1530mm
3	Y-axis stroke	3050mm
4	Z-axis stroke	310mm
5	Positioning precision of X/ Y -axis	0.05mm
6	Repositioning precision x/y-axis	0.03mm (Whole Journey)
7	x/y Maximum move speed	80m/min
8	The maximum acceleration of the X/Y axis	0.8G
9	Dimension (Length×Width×Height)	4550*2990*1920mm

Cutting Capacity

Material	1500W	3000W	6000W	12000W	20000W
Carbon steel	1-16	1-22	1-30	1-40	1-60
Stainless steel	1-6	1-10	1-18	1-30	1-50
Brass	1-4	1-6	1-14	1-18	1-20
Aluminum	1-3	1-6	1-14	1-18	1-20

Main Configuration



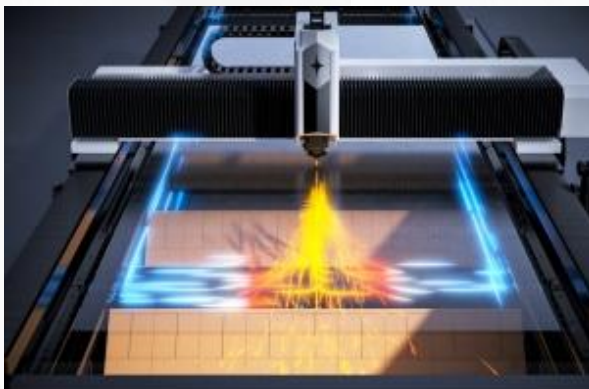
Brand New Double Bed Structure

- ❖ Designed for high-efficiency processing needs
- ❖ self-developed stopper plug-in double bed design
- ❖ No deformation in long-term cutting, ensuring stable equipment operation



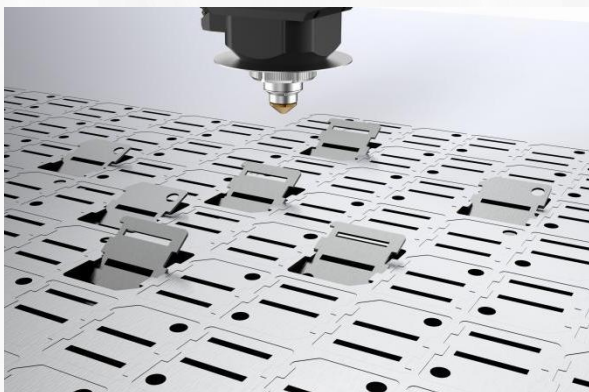
New Heat Insulation Technology

- ❖ Adopting new fire-resistant and heat-insulating technology
- ❖ Improving equipment lifespan



Intelligent Dust Removal for Clean Production

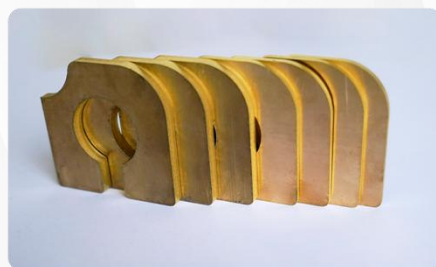
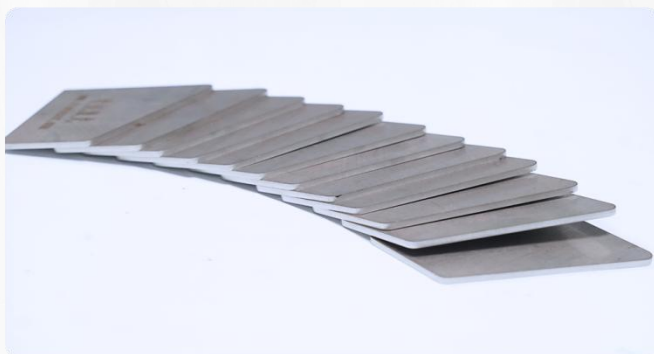
- ❖ Large-diameter air duct design
- ❖ Independent control, sectional dust removal
- ❖ Improves smoke and heat removal effectiveness



Dynamic collision sensing

- ❖ Dynamic collision sensing detects potential warping of the sheet in advance, automatically avoids obstacles, and reduces maintenance costs for the laser head

Samples





About us ►►►

Shandong Aore Laser Technology Group Co., Ltd. is a high-tech enterprise specializing in the research, development, production, sales, and service of laser application equipment. Its products and services are available in over 180 countries and regions, with main product categories including sheet metal laser cutting machines, tube laser cutting machines, sheet and tube integrated laser cutting machines, 3D laser cutting machines, and laser welding machines.



Strict in quality control flow



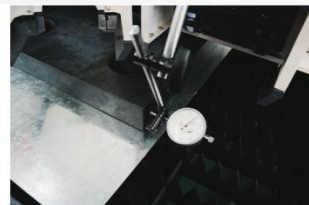
Bed Foot Installation



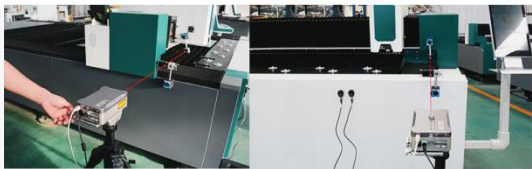
Rail Installation



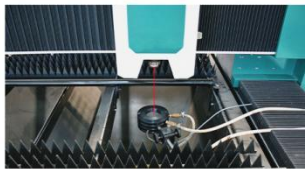
Rack Installation



Beam Installation



Positioning Accuracy Inspection



Laser Power Meter Test

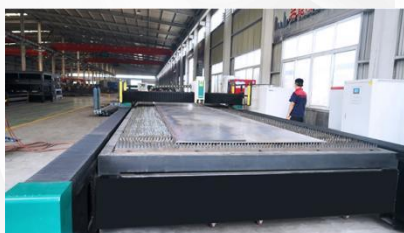


72h Machine Aging Test



Pack And Ship

Production lines



laser cutting



Groove welding



Stress annealing



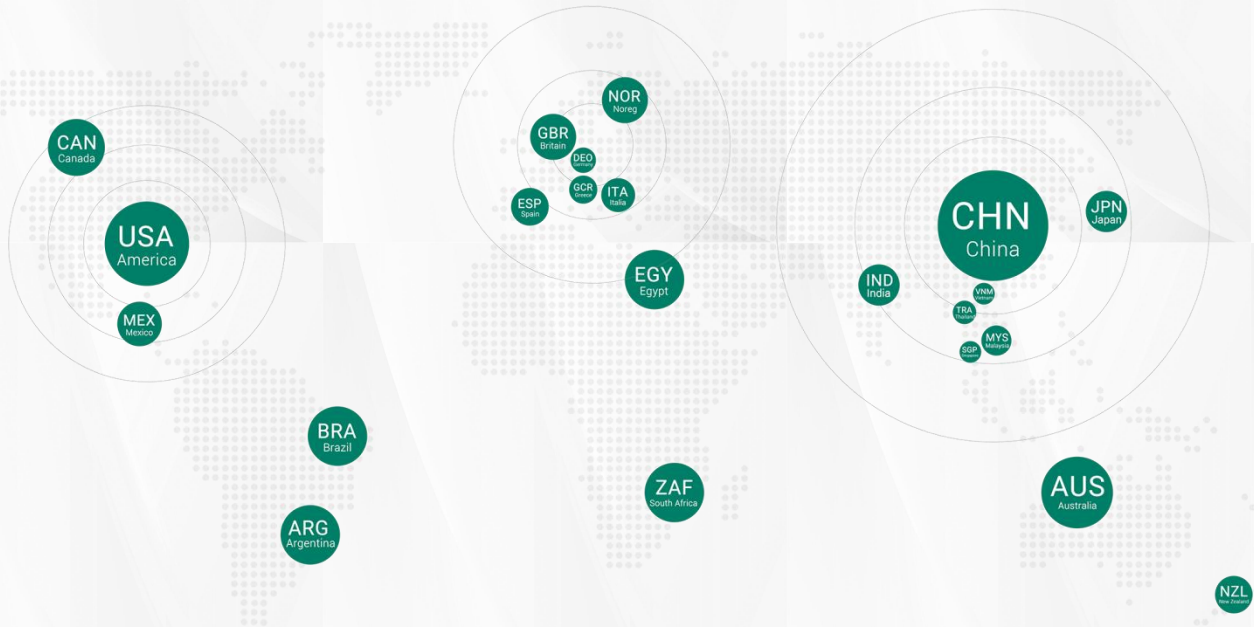
Sandblasting



Roughing



Finishing



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